Issues

- Astrobiology
  - How do we ensure the focus on life in the Vision document remains a coherent focus between multiple strategic goals?
  - For astrobiology- preserving linkages- how does the flight program relate to the R&A program?
- Mission Categories

Discovery New Frontiers (Flagship)

  - Are these the right categories?
  - Should the cost caps be changed?
  - Should the NF concept be altered?
  - Flagship mission – does this category exist? Is it a viable category given the time span?
  - Can we realize the goals of the flagship missions in an alternate way? Are there real, effective descopes?

More issues

- How would we approach a decline in resources for SSE? Where would our priorities be and what options would we consider?
- International Cooperation
  - To what extent will these missions rely on/take advantage of international collaborations?
  - Collaborations/coordination tend to work over more critical dependency (unless very clean interfaces).
- Nuclear- **Power** (RPS (MMRTG vs Cassini RTG)
  high power from reactor)
  Propulsion (NEP, NTP, bi modal)
  - Example of category of technologies that give you pathways- in terms of both technology paths and science paths.
- For propulsion- trip time is a critical parameter (but power and cost also key)

Even more issues

- Planetary protection technologies- connection to human exploration program.

- Critical technologies for high priority science missions are discordant with human exploration technologies. Certain missions WILL NOT occur without development of these technologies.
  - Extreme environments

- More technology issues-
  - DSN
  - Rendezvous w/ small bodies for SR